School Employee Management System (CRUD)

📃 Project Overview

The School Employee Management System is a fully functional frontend-only CRUD application built with React. It allows Admins and HR Managers to manage employees and leave requests, while Employees can apply for leave. All data is persisted using localStorage, and user access is role-based.

✦ Key Features

🔒 Authentication (Login & Role-based Access)

👥 Employee Management (CRUD with Auto-generated IDs)

📝 Leave Requests (Apply, Approve, Reject)

📦 Data Persistence using localStorage

🔢 Responsive UI with Material UI (MUI)

🎯 Real-world structure with Pages, Components, Services, Context API

🛠 Tech Stack

Frontend Framework: React

UI Library: Material UI (MUI)

Routing: React Router DOM

Authentication: Context API + localStorage

Build Tool: Vite

Date Formatting: Day.js

🔑 User Roles & Permissions

Role	Access	Actions
Admin	Full Access	Manage Employees, Approve Leave
HR Manager	Limited Admin	Manage Employees, View & Approve Leave
Employee	Restricted	Apply for Leave, View Status

📷 Project Screenshots

Screenshots of the dashboard, employee table, and leave request module are available in the 'Screenshots' folder inside the project repository.

🚀 How to Run the App Locally

1. Clone the repository

2. Run `npm install`

3. Start the app with `npm run dev`

🌍 Deployment

The app is deployed via GitHub Pages.

To deploy manually:

1. Run `npm run build`

2. Then `npm run deploy`